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PHAR 451.01: Therapeutics I

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Pharmacy 451 - Therapeutics I

M 910-1000 SB 114

WF 910-1000 SB 117

Fall, 2008 3 credits

Corequisite - Pharmacy 443

Course Coordinator: Sarah Miller, SB 330, 243-5787

Saint Patrick Hospital, 329-2758

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Instructors:

Lisa Barnes
Gayle Hudgins
Larry Dent
Kendra Keeley
Sarah Miller

**Required Texts/
Readings:**

1. *Handbook of Nonprescription Drugs*, 15th ed, APhA
 2. *Pharmacotherapy*, DiPiro, 7th ed.
 3. *Medical Letter on Drugs and Therapeutics*
 4. A medical dictionary – or access to online or PDA version
- Expect to use all of these references throughout the next 4 semesters of Therapeutics and Integrated Studies and throughout APPE.**

Other references:1.

1. *Pharmacy Practice Manual, 2nd ed., Boh* - you are encouraged to purchase this reference as you will find it useful throughout the Therapeutics and Integrated Studies sequences and in APPE for information such as explanations of lab tests and diagnostic procedures, calculations, and kinetics.
2. *Applied Therapeutics: The Clinical Use of Drugs*, 8th ed., Koda-Kimble and Young
3. *Nonprescription Drug Therapy: Guiding Patient Self-Care*, Facts and Comparisons
4. *Nonprescription Products Therapeutics*, 2nd ed., Pray
5. *Textbook of Therapeutics: Drug and Disease Management*, 7th ed., Herfindal and Gourley
6. *Pharmacotherapy: Principles and Practice*, 1st ed., Chisholm-Burns et al.

(These texts are available in Learning Support Services)

Course Guidelines:

The Therapeutics sequence is designed to allow the student to think creatively and to accept responsibility for his/her own learning; this responsibility will increase from Therapeutics I to II to III to IV. **Students will be expected to have completed the required reading for a given lecture before the lecture is delivered.** Some of the learning objectives supplied will not be covered in class; the student will be expected to glean this information from the required readings.

The instructors in this sequence welcome and encourage class participation. Please feel free to ask pertinent questions in class. Also, do not be surprised if you are called on to answer questions or otherwise comment in class. Short in-class writing or group discussion assignments may occasionally be utilized to further develop your thinking skills and to solicit your feedback about the class.

*Additional reading assignments may be announced throughout the semester.

<u>DATE</u>	<u>TOPIC</u>	<u>LECTURER</u>	<u>READING*</u>
August			
25	Pharmaceutical Care	SJM	1:3-24
27	Dietary Supplements	SJM	http://www.cfsan.fda.gov/~dms/dietsupp.html and http://www.cfsan.fda.gov/~dms/ds-oview.html
29	Intro to Nutrition	SJM	http://www.health.gov/dietaryguidelines/dga2005/document/html/executivesummary.htm
September			
1	Labor Day – no class		
3	Infant nutrition	SJM	1: 524-550
5	Pediatric nutrition	SJM	J Am Diet Assoc 2004;104:660-677 (available online from Mansfield)
8	Geriatric nutrition (quiz)	SJM	J Am Diet Assoc 2005;105:1955-65 (available online from Mansfield)
10	Geriatric nutrition	SJM	
12	Nutr in pregnancy/lactation	SJM	J Am Diet Assoc 2002;102:1470-1490 (Available online from Mansfield)
15	Nutrition in cancer prevention	SJM	http://caonline.amcancersoc.org/cgi/reprint/56/5/254
17	Healthy heart diet	SJM	http://circ.ahajournals.org/cgi/reprint/114/1/82
19	Weight control	SJM	1: 553-572
22	Exam 1		
24	Weight control	SJM	2:2445-2451
26	Geriatrics	GH	2:57-64
29	Geriatrics	GH	
Assignment due Sept. 29			

October

1	Contact lenses	GH	1:605-632
3	Eye care	GH	1:577-603
6	Ophthalmic infections (quiz)	GH	
8	Glaucoma	GH	2:1551-63
10	Drug/food interactions	SJM	
	http://www.uspharmacist.com/oldformat.asp?url=newlook/files/Feat/ACF2F08.cfm&pub_id=8&article_id=42		
13	Oral Health	SJM	1:649-675
15	Drugs in Preg/Lactation	KK	2:1297-1310
17	Pediatrics	KK	2:47-54
20	Exam 2		
22	Pediatrics	KK	
24	Cold/allergy	SJM	1:201-213
27	Cold/allergy	SJM	1:229-241
29	Cold/allergy	SJM	1:213-227
31	Nicotine addiction	LAD	pdf file posted in Blackboard

November

3	Nicotine addiction (quiz)	LAD	
5	Anemia	SJM	1:460-462; 1:453-455
7	Anemia	SJM	2:1642-59
10	Intro to Derm & dermatitis	LB	1:711-27; 2:1577-9, 1620-4
12	Contact Dermatitis	LB	1: 745-763; 2:1579-81
14	Pediculosis/Scaly Dermatoses	LB	1: 781-800; 729-43; 2:1984-5
17	Exam 3		
19	Psoriasis	LB	1: 731-43; 2:1603-15
21	Acne and Rosacea	LB	1:803-816; 2:1591-1600
24	Skin care for the feet (quiz)	LB	1:889-904, 907-29; 2:1967-71
26	Travel Day – No class		
28	Thanksgiving Holiday – No class		

December

1	Sun-induced skin disorders	LB	1: 856-862; 2:2311-2, 2326-8
3	Misc: Hairloss to Hemorrhoids	LB	1:941-950; 765-779
5	Herbal tx; tech advances in topicals	LB	1:1120-22, 1125-32

Final Exam: Wednesday December 10, 8-10AM, SB 117

Readings Key:

1:Handbook of Nonprescription Drugs

2:DiPiro

Grading:

3 midterm tests:

1st midterm: Pharm Care through Healthy Heart Diet -100 points

2nd midterm: Weight Control through Oral Health - 100 points

3rd midterm – Drugs in Pregnancy and Lactation through ---- except Nicotine Addiction – 100 points

Final exam – ---- through end of class plus Nicotine Addiction: 100 points

Quizzes: 60 points (20 points each; drop lowest quiz)

Diet/exercise assignment: 40 points

TOTAL POINTS FOR COURSE: 500 points

Quizzes: Quizzes are designed to encourage studying between exams (i.e., to discourage cramming). Quizzes will be given at the beginning of class on the 3 days designated on the syllabus. The lowest quiz grade will be thrown out. **NO MAKE-UPS WILL BE ALLOWED FOR QUIZZES (NO EXCEPTIONS)**; consider a missed quiz your throw-out quiz. Quizzes will be objective (multiple choice, true-false, or matching).

Exams: Exam format will vary from instructor to instructor, but expect a significant portion of exams to be case-based. Any excuse for missing an exam must be approved BEFORE the exam is given (call course coordinator at 243-5787 – leave a message), and an Agreement for taking the exam at an alternate time will be filed in the Dean’s office. Calculators may be helpful for exams. PDAs are NOT allowed.

Grading Scale:

Plus/minus grading option will be voted on by the class on the first meeting day.

90-100%: A

80-89.99%: B

70-79.99%: C

65-69.99%: D

<65%: F

Class civility: Your **student colleagues** have strongly indicated to the faculty that they wish to spend their valuable time in class listening to the therapeutics topics. They **do not** appreciate any “side” conversations while the instructor is lecturing. They **do** appreciate students raising discussion about important lecture aspects for further discussion or clarification.

Out of respect for your classmates, we will not tolerate excessive and disruptive talking during lecture. The instructor may first ask you to be silent; you may be asked to leave class if you persist in disruptive talking. The instructor will be the judge of what constitutes disruption. Please note that we **encourage** questions and relevant discussion.

Disabilities: Students with disabilities will receive reasonable accommodations in this course. To request course modifications, please contact Sarah Miller as soon as possible. She will work with you and Disability Services in the accommodation process. For more

information, visit the Disability Services website at <http://www.umt.edu/dss/> or call 406.243.2243 (Voice/Text).

Academic misconduct: All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University.

All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VPSA/index.cfm/page/1321>.

Policy regarding young children: It may sometimes be necessary for a student to bring their young child to class, due to school illness policy, daycare provide illness, or off-school days. It is acceptable to bring a child to class ONLY in those situations. Please remember that children generally are NOT entertained by a therapeutics lecture, so provide some activity for them during class. It is the responsibility of the parent to assure that the child does not disrupt other students.